NC/QC/W-03/2018-19/AL-C1 **Date: 11-03-2019**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Developments of roads and drains from 1st cross to 10th cross in Attur Layout and surrounding areas in Ward no.03.}
Ref.: Material testing/PMC/W-03/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Gopi Reddy.K, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**171 min**	Shall not be less than 30 min
2	Final setting time	**264 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.88 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.97 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.74 N/Sq mm**	Shall not be less than 27 N/Sqmm

K.R
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Proprietor

Asst. Executive Engineer

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EMAIL:newzen576@gmail.com

NC/QC/W-03/2018-19/AL-PCC1

Date: 11-03-2019

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Developments of roads and drains from 1st cross to 10th cross in Attur Layout and surrounding areas in Ward no.03.}
Ref.: Material testing/PMC/W-03/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Gopi Reddy.K, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	61.30	0 -20	30- 70
10mm	24.95	0 -5	10- 35
4.75mm	2.45	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	100.00	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	97.20	60-95	75-100	85-100	
01.18	81.45	30-70	55-90	75-100	
600.mic	43.80	15-34	35-59	60-79	
300.mic	16.95	5-20	8-30	12-40	
150.mic	6.80	0-10	0-10	0-10	

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NC/QC/W-03/2018-19/AL-C2 **Date: 14-03-2019**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Developments of roads and drains from 1st cross to 10th cross in Attur Layout and surrounding areas in Ward no.03.}
Ref.: Material testing/PMC/W-03/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Gopi Reddy.K, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**182 min**	Shall not be less than 30 min
2	Final setting time	**260 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.89 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.06 mm**	Shall not be more than 10 mm
5	Compressive strength b) 3 days (average of three results)	**28.57 N/Sq mm**	Shall not be less than 27 N/Sqmm

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Page No. 1/1,

Asst. Executive Engineer
Project Division

NC/QC/W-03/2018-19/AL-PCC2 **Date: 14-03-2019**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Developments of roads and drains from 1st cross to 10th cross in Attur Layout and surrounding areas in Ward no.03.}
Ref.: Material testing/PMC/W-03/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Gopi Reddy.K, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	59.70	0 -20	30- 70
10mm	16.05	0 -5	10- 35
4.75mm	3.40	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	100.00	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	97.85	60-95	75-100	85-100	
01.18	80.10	30-70	55-90	75-100	
600.mic	48.65	15-34	35-59	60-79	
300.mic	21.40	5-20	8-30	12-40	
150.mic	8.55	0-10	0-10	0-10	

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NC/QC/W-03/2018-19/AL-C3 **Date: 18-03-2019**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Developments of roads and drains from 1st cross to 10th cross in Attur Layout and surrounding areas in Ward no.03.}
Ref.: Material testing/PMC/W-03/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Gopi Reddy.K, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**159 min**	Shall not be less than 30 min
2	Final setting time	**287 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.94 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.23 mm**	Shall not be more than 10 mm
5	Compressive strength c) 3 days (average of three results)	**28.24 N/Sq mm**	Shall not be less than 27 N/Sqmm

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NC/QC/W-03/2018-19/AL-PCC3 **Date: 18-03-2019**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Developments of roads and drains from 1st cross to 10th cross in Attur Layout and surrounding areas in Ward no.03.}
Ref.: Material testing/PMC/W-03/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Gopi Reddy.K, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	60.25	0 -20	30- 70
10mm	24.70	0 -5	10- 35
4.75mm	3.45	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	100.00	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	97.65	60-95	75-100	85-100	
01.18	83.80	30-70	55-90	75-100	
600.mic	42.95	15-34	35-59	60-79	
300.mic	25.20	5-20	8-30	12-40	
150.mic	7.85	0-10	0-10	0-10	

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NC/QC/W-03/2018-19/AL-C4 **Date: 21-03-2019**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Developments of roads and drains from 1st cross to 10th cross in Attur Layout and surrounding areas in Ward no.03.}
Ref.: Material testing/PMC/W-03/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Gopi Reddy.K, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**154 min**	Shall not be less than 30 min
2	Final setting time	**271 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.96 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.88 mm**	Shall not be more than 10 mm
5	Compressive strength d) 3 days (average of three results)	**28.54 N/Sq mm**	Shall not be less than 27 N/Sqmm

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NC/QC/W-03/2018-19/AL-PCC4

Date: 21-03-2019

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Developments of roads and drains from 1st cross to 10th cross in Attur Layout and surrounding areas in Ward no.03.}

Ref.: Material testing/PMC/W-03/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Gopi Reddy.K, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	66.35	0 -20	30- 70
10mm	17.60	0 -5	10- 35
4.75mm	2.95	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	100.00	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	94.85	60-95	75-100	85-100	
01.18	87.60	30-70	55-90	75-100	
600.mic	39.25	15-34	35-59	60-79	
300.mic	17.75	5-20	8-30	12-40	
150.mic	6.40	0-10	0-10	0-10	

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NC/QC/W-03/2018-19/AL-C5

Date: 23-03-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Developments of roads and drains from 1st cross to 10th cross in Attur Layout and surrounding areas in Ward no.03.}
Ref.: Material testing/PMC/W-03/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Gopi Reddy.K, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**161 min**	Shall not be less than 30 min
2	Final setting time	**276 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.99 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.17 mm**	Shall not be more than 10 mm
5	Compressive strength e) 3 days (average of three results)	**28.94 N/Sq mm**	Shall not be less than 27 N/Sqmm

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Page No. 1/1,

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NC/QC/W-03/2018-19/AL-PCC5 **Date: 23-03-2019**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Developments of roads and drains from 1st cross to 10th cross in Attur Layout and surrounding areas in Ward no.03.}
Ref.: Material testing/PMC/W-03/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Gopi Reddy.K, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	63.80	0 -20	30- 70
10mm	17.15	0 -5	10- 35
4.75mm	3.70	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	100.00	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	96.30	60-95	75-100	85-100	
01.18	82.95	30-70	55-90	75-100	
600.mic	40.60	15-34	35-59	60-79	
300.mic	26.45	5-20	8-30	12-40	
150.mic	7.10	0-10	0-10	0-10	

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NC/QC/W-03/2018-19/AL-C6 **Date: 27-03-2019**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Developments of roads and drains from 1st cross to 10th cross in Attur Layout and surrounding areas in Ward no.03.}
Ref.: Material testing/PMC/W-03/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Gopi Reddy.K, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**174 min**	Shall not be less than 30 min
2	Final setting time	**280 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.06 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.01 mm**	Shall not be more than 10 mm
5	Compressive strength f) 3 days (average of three results)	**28.74 N/Sq mm**	Shall not be less than 27 N/Sqmm

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For Newzen Consultants Bangalore

Proprietor

Page No. 1/1,

Asst. Executive Engineer
Project Division
Yelahanka Zone

NC/QC/W-03/2018-19/AL-PCC6 **Date: 27-03-2019**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Developments of roads and drains from 1st cross to 10th cross in Attur Layout and surrounding areas in Ward no.03.}
Ref.: Material testing/PMC/W-03/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Gopi Reddy.K, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	57.85	0 -20	30- 70
10mm	31.40	0 -5	10- 35
4.75mm	3.20	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	100.00	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	97.65	60-95	75-100	85-100	
01.18	84.20	30-70	55-90	75-100	
600.mic	41.90	15-34	35-59	60-79	
300.mic	26.05	5-20	8-30	12-40	
150.mic	6.55	0-10	0-10	0-10	

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For Newzen Consultants Bangalore

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NC/QC/W-03/2018-19/AL-C7

Date: 30-03-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Developments of roads and drains from 1st cross to 10th cross in Attur Layout and surrounding areas in Ward no.03.}
Ref.: Material testing/PMC/W-03/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Gopi Reddy.K, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	180 min	Shall not be less than 30 min
2	Final setting time	265 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.93 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	2.11 mm	Shall not be more than 10 mm
5	Compressive strength g) 3 days (average of three results)	28.65 N/Sq mm	Shall not be less than 27 N/Sqmm

KIRAN. R
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For Newzen Consultants Bangalore

Asst. Executive Engineer,
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Proprietor

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NC/QC/W-03/2018-19/AL-PCC7

Date: 30-03-2019

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Developments of roads and drains from 1st cross to 10th cross in Attur Layout and surrounding areas in Ward no.03.}
Ref.: Material testing/PMC/W-03/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Gopi Reddy.K, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	66.10	0 -20	30- 70
10mm	23.45	0 -5	10- 35
4.75mm	3.80	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	100.00	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	97.35	60-95	75-100	85-100	
01.18	81.80	30-70	55-90	75-100	
600.mic	54.65	15-34	35-59	60-79	
300.mic	23.40	5-20	8-30	12-40	
150.mic	6.05	0-10	0-10	0-10	

KIRAN. R
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For Newzen Consultants Bangalore

Proprietor

Asst. Executive Engineer,
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NC/QC/W-03/2018-19/AL-C8

Date: 03-04-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Developments of roads and drains from 1st cross to 10th cross in Attur Layout and surrounding areas in Ward no.03.}
Ref.: Material testing/PMC/W-03/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Yelahanka Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Gopi Reddy.K, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**157 min**	Shall not be less than 30 min
2	Final setting time	**269 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.84 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.02 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results	**28.39 N/Sq mm**	Shall not be less than 27 N/Sqmm

K R
KIRAN. R
M.E. (Civil-Engg
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Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

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